



UNITED STATES
PATENT AND
TRADEMARK OFFICE

PCT OPERATIONS

FACSIMILE TRANSMISSION COVER SHEET

DATE: May 10, 2001

TO: Julie

TELEPHONE: _____
FAX NO.: 703 243-6410

FROM: Barbara

TELEPHONE: 703 305-3831
FAX NO.: 703-308-4785 OR 703-305-3230

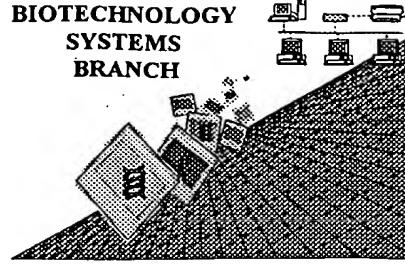
MESSAGE: _____

NUMBER OF PAGES 10 (INCLUDING THIS PAGE)

SC

RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/673,400

Source: PCT09

Date Processed by STIC: 1/23/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: <u>09/673,400</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input type="checkbox"/> Wrapped Nucleic	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".	
2 <input type="checkbox"/> Wrapped Aminos	The amino acid number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".	
3 <input checked="" type="checkbox"/> Incorrect Line Length	The rules require that a line not exceed 72 characters in length. This includes spaces.	
4 <input type="checkbox"/> Misaligned Amino Acid Numbering	The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.	
5 <input checked="" type="checkbox"/> Non-ASCII	This file was not saved in ASCII (DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text so that it can be processed.	
6 <input type="checkbox"/> Variable Length	Sequence(s) _____ contain n's or Xaa's which represented more than one residue. As per the rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.	
7 <input type="checkbox"/> PatentIn ver. 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
8 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS") (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: This sequence is intentionally skipped	
	Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).	
9 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence. <210> sequence id number <400> sequence id number 000	
10 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Use of <220> to <223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
11 <input type="checkbox"/> Use of <213>Organism (NEW RULES)	Sequence(s) _____ are missing this mandatory field or its response.	
12 <input type="checkbox"/> Use of <220>Feature (NEW RULES)	Sequence(s) _____ are missing the <220>Feature and associated headings. Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown" Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)	
13 <input type="checkbox"/> PatentIn ver. 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk.	

AGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/673,400DATE: 01/23/2001
TIME: 10:54:59

Input Set: I673400.RAW

This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

see pp 1-6

Does Not Comply
Corrected Diskette Needed

do not use foreign accent marks - they do not

1 <110> metaGen Gesellschaft f^or Genomforschung mbH
2 <120> Menschliche Nukleinsuresequenzen aus Uterusmyomgewebe
3 <130> 51584AWOMIXX24-P
4 <140> US/09/673,400
5 <141> 2000-10-17
6 <160> 55

translate in
the CRF program

use English when
filing in the U.S.A.

IMPORTANT:
see item 5
on Error Summary
Sheet

ERRORED SEQUENCES FOLLOW

ee
em3
Error
many
feet
text
st ke
sible
-->

7 <210> 37
8 <211> 170
9 <212> PRT
10 <213> homo sapiens
11 <400> 37
12 Ala Arg Ala Ala Arg Ala Ala Gln Thr Pro His Leu Thr Leu Pro Al
13 1 5 10
14 Asp Leu Gln Thr Leu His Leu Asn Arg Pro Thr Leu Ser Pro Glu Se
15 20 25 30
16 Lys Leu Glu Trp Asn Asn Asp Ile Pro Glu Val Asn His Leu Asn Se
17 35 40 45
18 Glu His Trp Arg Lys Thr Glu Lys Trp Thr Gly His Glu Glu Thr As
19 50 55 60
20 His Leu Glu Thr Asp Phe Ser Gly Asp Gly Met Thr Glu Leu Glu Le
21 65 70 75 80
22 Gly Pro Ser Pro Arg Leu Gln Pro Ile Arg Arg His Pro Lys Glu Le
23 85 90 95
24 Pro Gln Tyr Gly Gly Pro Gly Lys Asp Ile Phe Glu Asp Gln Leu Ty
25 100 105 110
26 Leu Pro Val His Ser Asp Gly Ile Ser Val His Gln Met Phe Thr Me
27 115 120 125
28 Ala Thr Ala Glu His Arg Ser Asn Ser Ser Ile Ala Gly Lys Met Le
29 130 135 140
30 Thr Lys Val Glu Lys Asn His Glu Lys Glu Lys Ser Gln His Leu Gl
31 145 150 155 160
32 Gly Ser Ala Ser Ser Ser Leu Ser Ser Asp 170
--> 33 165

Per 1.822 of sequence rules, a MAXIMUM of
72 characters per line allowed; these go over 72 characters

34 <210> 38
35 <211> 144
36 <212> PRT
37 <213> homo sapiens
38 <400> 38

next page

AGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/673,400

DATE: 01/23/2001
TIME: 10:54:59

Input Set: I673400.RAW

39	Ala	Arg	Ala	Pro	Thr	Leu	Asp	Met	Arg	Phe	Arg	Arg	Arg	Leu	Ser	Al
40	1				5				10						15	
41	Asp	Pro	His	Ala	Thr	Gln	Arg	Asn	Ser	Ala	Glu	Ala	Arg	Gly	Thr	Me
42				20					25					30		
43	Asp	Gly	Arg	Val	Gln	Leu	Met	Lys	Ala	Leu	Leu	Ala	Gly	Pro	Leu	Ar
44			35					40					45			
45	Pro	Ala	Ala	Arg	Arg	Trp	Arg	Asn	Pro	Ile	Pro	Phe	Pro	Glu	Thr	Ph
46		50					55					60				
47	Asp	Gly	Asp	Thr	Asp	Arg	Leu	Pro	Glu	Phe	Ile	Val	Gln	Thr	Cys	Se
48	65					70					75					8
49	Tyr	Met	Phe	Val	Asp	Glu	Asn	Thr	Phe	Ser	Asn	Asp	Ala	Leu	Lys	Va
50					85					90					95	
51	Thr	Phe	Leu	Ile	Thr	Arg	Leu	Thr	Gly	Pro	Ala	Leu	Gln	Trp	Val	Il
52				100					105					110		
53	Pro	Tyr	Ile	Arg	Lys	Glu	Ser	Pro	Leu	Leu	Asn	Asp	Tyr	Arg	Gly	Ph
54			115						120				125			
55	Leu	Ala	Glu	Met	Lys	Arg	Val	Phe	Gly	Trp	Glu	Glu	Asp	Glu	Asp	Ph
56			130				135					140				

57 <210> 39
 58 <211> 178
 59 <212> PRT
 60 <213> homo sapiens *same*
 61 <400> 39

62 His	63 Ser	64 Leu	65 Gly	66 Arg	67 Ala	68 Pro	69 Val	70 Glu	71 Thr	72 Leu	73 Ala	74 Val	75 Ala	76 Val	77 Ala	78 Thr	79 Leu	80 Ala	81 Val	82 Gly	83 Cys	84 Gl		
63 1	64 20	65 35	66 50	67 55	68 70	69 75	70 85	71 90	72 100	73 105	74 110	75 115	76 120	77 125	78 130	79 135	80 140	81 145	82 150	83 155	84 160	85 165	86 170	87 175
64 Ala	65 Asn	66 Ser	67 Ser	68 Gln	69 Ser	70 Thr	71 Arg	72 Pro	73 Gln	74 Ala	75 Arg	76 Gly	77 Ser	78 Leu	79 His	80 Asp	81 His	82 Ser	83 Gly	84 Leu	85 His	86 Leu	87 Val	88 Gl
65 Ser	66 Gly	67 Leu	68 Glu	69 Val	70 Leu	71 Val	72 Leu	73 Pro	74 Ser	75 Lys	76 Asp	77 Ser	78 Leu	79 His	80 Leu	81 Leu	82 Pro	83 Leu	84 Leu	85 His	86 Leu	87 His	88 Le	89 Gl
66 Gly	67 Leu	68 Glu	69 Val	70 Leu	71 Val	72 Leu	73 Leu	74 Pro	75 Ser	76 Lys	77 Asp	78 Ser	79 Leu	80 His	81 Leu	82 Leu	83 Pro	84 Leu	85 Leu	86 His	87 Leu	88 His	89 Le	90 Gl
67 Gly	68 Gln	69 Lys	70 Ala	71 Pro	72 Val	73 Ile	74 Ile	75 Glu	76 Gln	77 Gly	78 Ala	79 Leu	80 Leu	81 Ala	82 Leu	83 Leu	84 Pro	85 Asp	86 Glu	87 Ala	88 Leu	89 Leu	90 Pro	91 As
68 Gly	69 Gln	70 Lys	71 Ala	72 Pro	73 Val	74 Ile	75 Ile	76 Glu	77 Gln	78 Gly	79 Ala	80 Leu	81 Leu	82 Ala	83 Leu	84 Leu	85 Pro	86 Asp	87 Glu	88 Ala	89 Leu	90 Leu	91 Pro	92 As
69 Val	70 Gly	71 Asp	72 His	73 Pro	74 Leu	75 Gln	76 Gly	77 Trp	78 Pro	79 Arg	80 Glu	81 Ala	82 Leu	83 Leu	84 Gly	85 Asp	86 Glu	87 Ala	88 Leu	89 Leu	90 Gly	91 Asp	92 Gl	93 8
70 Val	71 Gly	72 Asp	73 His	74 Pro	75 Leu	76 Gln	77 Gly	78 Trp	79 Pro	80 Arg	81 Glu	82 Ala	83 Leu	84 Leu	85 Gly	86 Asp	87 Glu	88 Ala	89 Leu	90 Leu	91 Gly	92 Asp	93 Gl	94 8
71 Glu	72 Arg	73 His	74 Leu	75 Gln	76 Gly	77 Val	78 Val	79 Gly	80 Glu	81 Arg	82 Val	83 Leu	84 Val	85 Leu	86 Val	87 His	88 Gl	89 Glu	90 Leu	91 Val	92 His	93 Gl	94 95	
72 His	73 Val	74 Gly	75 Ala	76 Arg	77 Leu	78 His	79 Asp	80 Glu	81 Leu	82 Arg	83 Glu	84 Ala	85 Leu	86 Val	87 Gly	88 Il	89 Gl	90 Glu	91 Leu	92 Val	93 Gly	94 Il	95 Gl	
73 Ser	74 Val	75 Lys	76 Arg	77 Leu	78 Gly	79 Lys	80 Gly	81 Asn	82 Arg	83 Val	84 Pro	85 Pro	86 Ala	87 Thr	88 Ar	89 Gl	90 Glu	91 Leu	92 Val	93 His	94 Gl	95 110		
74 Arg	75 Gly	76 Pro	77 Glu	78 Gly	79 Pro	80 Gly	81 Gln	82 Glu	83 Gly	84 Leu	85 His	86 Gln	87 Leu	88 His	89 Gl	90 Glu	91 Leu	92 His	93 Leu	94 His	95 Pr	96 Gl		
75 Thr	76 Val	77 His	78 Arg	79 Ala	80 Ala	81 Arg	82 Leu	83 Arg	84 Gly	85 Val	86 Ser	87 Leu	88 Gly	89 Cys	90 Va	91 16	92 16	93 155	94 155	95 160	96 160	97 165	98 170	99 175
76 Gly	77 Val	78 Ser	79 Ala	80 Lys	81 Ala	82 Ser	83 Pro	84 Glu	85 Ala	86 His	87 Val	88 Glu	89 Gly	90 Gly	91 Gl	92 Gl	93 Gl	94 Gl	95 Gl	96 Gl	97 Gl	98 Gl	99 Gl	

85 <210> 40
86 <211> 89

AGE: 3

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/673,400DATE: 01/23/2001
TIME: 10:54:59

Input Set: I673400.RAW

87 <212> PRT
 88 <213> homo sapiens *Same*
 89 <400> 40
 90 Lys Leu Thr Gly Ile Asn Thr Gly Cys Arg Asn Met Leu Ala Leu Cy
 91 1 5 10
 92 Ile Arg Gly His Ala Gln Gln Ile Gln Glu Ile Tyr Leu Ala Thr Ph
 93 20 25
 94 Ser Arg Lys Gly Thr Leu Gly Ile Ile His Tyr Ile Leu Glu Val Ph
 95 35 40
 96 Leu Gly Phe Phe Phe Phe Leu Arg Gln Ser Cys Cys Ile Ala Gl
 97 50 55 60
 98 Ala Gly Ser Val Val Ala Gln Ser Gln Leu Ile Ala Ser Ser Ile Th
 99 65 70 75 80
 100 Gln Gly Leu Ser Asn Pro Pro Thr Leu
 --> 101 85

102 <210> 41
 103 <211> 95
 104 <212> PRT
 105 <213> homo sapiens *Same*
 106 <400> 41
 107 Ile Val Thr Trp Arg Lys Val Pro Met Ser Leu Cys Gln Arg Pro Pr
 108 1 5 10 15
 109 Pro Phe Val Arg Ile Gly Ile Phe Arg Leu Leu Lys Gly Leu Ala Hi
 110 20 25 30
 111 Ile Arg Cys Asp Leu Phe Ile Pro Val Val Met Glu Gly His Ile Cy
 112 35 40 45
 113 Gln Ser Leu Glu Ser Ala Lys Ala Gly Thr Arg Phe Pro Gly Pro Gl
 114 50 55 60
 115 Trp Gly Cys Ala Asn Pro Arg Glu Leu Gly Cys Lys Phe Val Lys As
 116 65 70 75 80
 117 Gln His His Val Trp Gln Leu Ser Ile Gly Ala Arg Ser Leu Pro
 --> 118 85 90 95

119 <210> 42
 120 <211> 154
 121 <212> PRT
 122 <213> homo sapiens *Same*
 123 <400> 42
 124 Cys Gln Leu Val Phe Arg Ile Gln Thr Asp Gly Ser Tyr Trp Ser Le
 125 1 5 10 15
 126 Gly Leu Thr Ser Ser Gly Asn Ile Thr Phe Ser Trp Ala Glu Met Le
 127 20 25 30
 128 Leu Pro Ala Leu Lys Gln His Ser Val Leu Lys Thr Ser Trp Gln Al
 129 35 40 45
 130 Pro Gly Ser Asn Thr Gln Leu Pro Asn Met Met Leu Ile Leu His Gl
 131 50 55 60
 132 Phe Ala Thr Gln Phe Ser Arg Val Cys Thr Pro Pro Leu Trp Ala Gl
 133 65 70 75 80
 134 Glu Pro Gly Pro Gly Leu Arg Arg Leu Gln Ala Leu Ala Asp Val Al

AGE : 4

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/673,400

DATE: 01/23/2001
TIME: 10:54:59

Input Set: I673400.RAW

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144 <210> 46
145 <211> 87
146 <212> PRT
147 <213> homo sapiens
148 <400> 46
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same

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162 <211> 301
163 <212> PRT
164 <213> homo sapiens
165 <400> 53
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same

166	Gly	Asn	Leu	Tyr	Pro	Ser	Asn	Thr	Met	Ala	Ser	Asn	Val	Thr	Asn	Ly
167	1				5					10					15	
168	Thr	Asp	Pro	Arg	Ser	Met	Asn	Ser	Arg	Val	Phe	Ile	Gly	Asn	Leu	As
169				20					25					30		
170	Thr	Leu	Val	Val	Lys	Lys	Ser	Asp	Val	Glu	Ala	Ile	Phe	Ser	Lys	Ty
171				35				40					45			
172	Gly	Lys	Ile	Val	Gly	Cys	Ser	Val	His	Lys	Gly	Phe	Ala	Phe	Val	Gl
173		50					55					60				
174	Tyr	Val	Asn	Glu	Arg	Asn	Ala	Arg	Ala	Ala	Val	Ala	Gly	Glu	Asp	Gl
175		65				70					75					8
176	Arg	Met	Ile	Ala	Gly	Gln	Val	Leu	Asp	Ile	Asn	Leu	Ala	Glu	Pr	
177					85					90					95	
178	Lys	Val	Asn	Arg	Gly	Lys	Ala	Gly	Val	Lys	Arg	Ser	Ala	Ala	Glu	Me
179				100					105					110		
180	Tyr	Gly	Ser	Ser	Phe	Asp	Leu	Asp	Tyr	Asp	Phe	Gln	Arg	Asp	Tyr	Ty
181				115				120					125			
182	Asp	Arg	Met	Tyr	Ser	Tyr	Pro	Ala	Arg	Val	Pro	Pro	Pro	Pro	Pro	Il

AGE: 5

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/673,400DATE: 01/23/2001
TIME: 10:54:59*Same* Input Set: I673400.RAW

183		130					135					140				
184	Ala	Arg	Ala	Val	Val	Pro	Ser	Lys	Arg	Gln	Arg	Val	Ser	Gly	Asn	Th
185	145					150					155					16
186	Ser	Arg	Arg	Gly	Lys	Ser	Gly	Phe	Asn	Ser	Lys	Ser	Gly	Gln	Arg	Gl
--> 187					165					170					175	
188	Ser	Ser	Lys	Ser	Gly	Lys	Leu	Lys	Gly	Asp	Asp	Leu	Gln	Ala	Ile	Ly
189					180					185					190	
190	Lys	Glu	Leu	Thr	Gln	Ile	Lys	Gln	Lys	Val	Asp	Ser	Leu	Leu	Glu	As
191					195					200					205	
192	Leu	Glu	Lys	Ile	Glu	Lys	Glu	Gln	Ser	Lys	Gln	Ala	Val	Glu	Met	Ly
193					210					215					220	
194	Asn	Asp	Lys	Ser	Glu	Glu	Glu	Gln	Ser	Ser	Ser	Ser	Val	Lys	Lys	As
195					225					230					235	
--> 196	Glu	Thr	Asn	Val	Lys	Met	Glu	Ser	Glu	Gly	Gly	Ala	Asp	Asp	Ser	Al
197					245					250					255	
198	Glu	Glu	Gly	Asp	Leu	Leu	Asp	Asp	Asp	Asp	Asn	Glu	Asp	Arg	Gly	As
199					260					265					270	
200	Asp	Gln	Leu	Glu	Leu	Ile	Lys	Asp	Asp	Glu	Lys	Glu	Ala	Glu	Glu	Gl
201					275					280					285	
202	Glu	Asp	Asp	Arg	Asp	Lys	Ala	Asn	Gly	Glu	Asp	Asp	Ser			
203				290				295					300			

204	<210> 54															
205	<211> 112															
206	<212> PRT															
207	<213> homo sapiens															
208	<400> 54															
209	Glu	Ser	Ser	Ser	Pro	Leu	Ala	Leu	Ser	Leu	Ser	Ser	Ser	Pro	Ser	Se
210	1				5					10					15	
211	Ala	Ser	Phe	Ser	Ser	Ser	Leu	Ile	Asn	Ser	Ser	Trp	Ser	Ser	Pro	Ar
212					20					25					30	
213	Ser	Ser	Leu	Ser	Ser	Ser	Ser	Arg	Ser	Pro	Ser	Ser	Ala	Glu	Se	
214					35					40				45		
215	Ser	Ala	Pro	Pro	Ser	Asp	Ser	Ile	Phe	Thr	Leu	Val	Ser	Ser	Phe	Ph
216					50					55				60		
217	Thr	Glu	Leu	Leu	Leu	Cys	Ser	Ser	Ser	Asp	Leu	Ser	Phe	Phe	Ile	Se
218					65					70				75		8
219	Thr	Ala	Cys	Leu	Leu	Cys	Ser	Phe	Ser	Ile	Phe	Ser	Arg	Phe	Ser	Ar
--> 220					85					90					95	
221	Arg	Glu	Ser	Thr	Phe	Cys	Phe	Ile	Trp	105	Val	Ser	Ser	Phe	Leu	Met
222					100										110	

223	<210> 55															
224	<211> 107															
225	<212> PRT															
226	<213> homo sapiens															
227	<400> 55															
228	Thr	Arg	Asn	Leu	Glu	Lys	Lys	Lys	Lys	Lys	Asn	Phe	Leu	Phe	Leu	Ty
229	1				5					10					15	
230	Phe	Ile	Ile	Val	Tyr	Phe	Lys	Leu	Cys	Phe	Thr	Ala	Ser	Ser	Thr	Ly

AGE: 6

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/673,400DATE: 01/23/2001
TIME: 10:54:59*same* Input Set: I673400.RAW

231				20						25					30		
232	Pro	Leu	Glu	Cys	Thr	Arg	Tyr	Ile	Phe	Leu	Gly	Val	Ile	Ile	Met	Me	
233				35				40						45			
234	His	Thr	Asn	Thr	Thr	Leu	Leu	Lys	Leu	Tyr	Phe	Ile	Glu	Met	His	Va	
235				50				55				60					
236	Ala	Leu	Arg	Ser	Gln	Leu	Asp	Ile	Glu	Trp	Arg	Leu	Phe	Gln	Asn	Gl	
237				65			70				75					8	
238	Phe	Tyr	Ile	Leu	Met	Lys	Val	Trp	Glu	Val	Tyr	Pro	Leu	Cys	Leu	Ph	
239						85				90							
240	Ile	Ser	Ala	Leu	Trp	Ser	Ser	Trp	His	Pro	Phe						
241				100					105								
242																	
243																	

1
12) *delete at end of file*

AGE: 7

VERIFICATION SUMMARY
PATENT APPLICATION US/09/673,400

DATE: 01/23/2001
TIME: 10:54:59

Input Set: I673400.RAW

Line	?	Error/Warning	Original Text	
23	E	Invalid/Missing Amino Acid Numbering		85
33	E	Invalid/Missing Amino Acid Numbering		165
50	E	Invalid/Missing Amino Acid Numbering		85
73	E	Invalid/Missing Amino Acid Numbering		85
83	E	Invalid/Missing Amino Acid Numbering		165
101	E	Invalid/Missing Amino Acid Numbering		85
118	E	Invalid/Missing Amino Acid Numbering		85
135	E	Invalid/Missing Amino Acid Numbering		85
160	E	Invalid/Missing Amino Acid Numbering		85
177	E	Invalid/Missing Amino Acid Numbering		85
187	E	Invalid/Missing Amino Acid Numbering		165
197	E	Invalid/Missing Amino Acid Numbering		245
220	E	Invalid/Missing Amino Acid Numbering		85
239	E	Invalid/Missing Amino Acid Numbering		85
243	E	Invalid/Missing Amino Acid Numbering	12	